

Amendments to the Specification:

Please replace the title with the following rewritten title.

-- Method and System for Transferring Electronic Mail --

Please replace the paragraph beginning at page 1, line 15, with the following rewritten paragraph.

Different from conventional mails penned in paper, electronic mails are for transferring and receiving messages by using some electronic devices. When users would like to send letters to others, they can key in letters by using any office editor, and transfer them through Internet. At the moment, receivers may be not in the state of on-line, that is, their computers ~~can~~ may not be ~~not~~ connected to Internet. In fact, all such electronic mails are stored in the mail servers in any Internet service provider (ISP). Users can receive their mails when they connects their computers with Internet next time and open their mail boxes in the mail server of Internet.

Please replace the paragraph beginning at page 1, line 26, with the following rewritten paragraph.

In accompanying with the population of mail service, human living is establishing closer relationship with electronic mails. In general, users need to ~~first~~ login Internet first, and thereafter send and receive their electronic mails. In the present day, there are two methods for Internet ~~log login~~-in. ~~First is~~ As shown in FIG. 1, clients (users) can actively make a caller connection by using a personal computer (PC) 10, and connect to an ISP 16 with a modem 12 through a telephone network 14. Second, clients themselves have Internet Protocol (IP) addresses that have all connection functions. However, by using

methods mentioned above, clients can't know the latest new messages for their mails without entering into the Internet or connecting to the ISP. ~~Plus~~ Moreover, there are some disadvantages about these two methods mentioned above. First, users may waste their available caller time and phone bills if there are no new mails in their electronic mailbox. Furthermore, if users set up a periodic mail-receiving time by electronic mail software, that may result in the occupation of Internet.

Please replace the paragraph beginning at page 2, line 22, with the following rewritten paragraph.

In accordance with the above description of the prior art, the present invention provides a system and method for helping users knowing the contents of their new electronic mails. The system and method of the present invention would be able to automatically transfer the Email Identification (EID) of an electronic mail[[,]] stored in a mail server of an electronic mails provider, to a receiver.

Please replace the paragraph beginning at page 3, line 1, with the following rewritten paragraph.

Another object of the invention is to provide a system and method for transferring electronic mails. Users can immediately know the arrival of their new mails without turning on computers and connecting to Internet, and therefore ~~save~~ network resources and time cost can be saved.

Please replace the paragraph beginning at page 3, line 7, with the following rewritten paragraph.

According to the ~~above~~ objects mentioned above, the invention provides several embodiments of method and system for transferring

electronic mails. In the present invention, as an electronic mail provider detects a new electronic mail, it then ~~actively transmits~~ a transmission signal is actively transmitted to a receiving terminal assigned by user. Next, after the electronic mail provider ~~receiving~~ receives a response message from the receiving terminal, it ~~transfers~~ identification information of the electronic mail is transferred to the receiving terminal. Besides, the invention also provides a method and a system for displaying identification information of electronic mail on a mail server. In this method and system, the electronic mail provider transforms the identification information into a transmission signal, and then transfers the transmission signal to users. ~~Users receive the~~ The transmission signal is transferred to the users through a receiving terminal, and ~~re-transform~~ the transmission signal is re-transformed into the identification information of electronic mail, then ~~display~~ the identification information is displayed on the receiving terminal.

Please replace the paragraph beginning at page 4, line 23, with the following rewritten paragraph.

FIG. 6 is ~~an~~ a flowchart of the present ~~invnetion~~ invention; and

Please replace the paragraph beginning at page 5, line 14, with the following rewritten paragraph.

First of all, it should be noted that some current telephone systems support the services so-called a caller identification ("ID"), or caller ID ("CID"). Such a CID service provides the CID users (i.e., the called party) the information of the caller and ~~display~~ displays the information on the device of the receiving terminal, such as a telephone set with a liquid crystal display. The caller information generally includes the caller's telephone number. Furthermore, there are some systems supporting the transfer function of words, ~~so as~~ to transfer the

caller's name, transferring time, and date. Obviously, by utilizing the caller identification service, it is possible for users to get the information of new electronic mails without actively connecting to the network. The key is to use CID display interface to display the identification information of the electronic mail from the electronic mails provider.

Please replace the paragraph beginning at page 5, line 28, with the following rewritten paragraph.

FIG. 2 shows a block diagram of a system 200 in one embodiment of the present invention for displaying electronic mail identification (EID) information. The system 200 comprises an electronic mail provider 210 for providing mail servers, a network service provider 220, such as a telephone company, and ~~an a~~ a receiving terminal 230 which preferably has a displaying panel 240. In the embodiment, the system 200 is an EID telephone system for transferring the EID information of mail sender from electronic mail provider 210 to the receiving terminal 230 through the network service provider 220. As ~~above~~ the network service provider 220 ~~as is~~ is a telephone company, it may comprise a communication network 250 using a telephone line as a transmission medium. Nevertheless, in the embodiment, besides telephone line, the communication network 250 between electronic mail provider 210 and the receiving terminal 230 may be other wired communication network, such as TV cables, or wireless communication network, such as satellite communication network, mobile communication network systems, etc..

Please replace the paragraph beginning at page 6, line 17, with the following rewritten paragraph.

Furthermore, the system mentioned above may be ~~regard~~ regarded as a combination of the two systems. One is a system of an

electronic mail provider for actively transferring identification information of electronic mails, and the other is a system ~~that~~ for assisting users in getting the message of a new electronic mail. The ~~former~~ first system comprises at least a modulating mean and a transfer means. The modulating mean is for transforming identification information of an electronic mail into a transmission signal, and the transfer means is for transferring the transmission signal to a receiving terminal of a user. The ~~latter~~ second system comprises at least a receiving mean, a demodulating means and a displaying means. The receiving means is for receiving the transmission signal ~~that is~~ transferred from the electronic mail provider. The demodulating means is for transforming the transmission signal into identification information of the electronic mail, and the displaying means is for displaying the identification information.

Please replace the paragraph beginning at page 7, line 5, with the following rewritten paragraph.

~~It should be noted that the~~ The system ~~having for~~ assisting ~~function may~~ users in getting the message of a new electronic mail further comprises a connecting device for establishing a connection between the receiving terminal and the electronic mail provider when the receiving terminal is notified to receive EID. Considering user's failure in reading the identification information in time, the operation for transferring the identification information may comprise a suspending step and a re-establishing step. The suspending step is for stopping the connection from the receiving terminal and electronic mail provider 210 that isn't yet established within a set period, while the re-establishing step is for re-establishing the connection with electronic mail provider 210 and transferring the transmission signal after waiting a standby period. In the embodiment, the set period and standby period can be adjustable. Of course, the operation for the system also

further comprises automatically transferring the identification information to the receiving terminal as soon as receiving a response message from the receiving terminal.

Please replace the paragraph beginning at page 7, line 22, with the following rewritten paragraph.

~~Besides those mentioned above~~ Furthermore, the system of transferring identification information further comprises a filtering device. The filtering device would stop transforming the identification information into the transmission signal if the electronic mail corresponds with some predetermined delete conditions, or transforms the identification information into the transmission signal if the electronic mail corresponds with some predetermined permission conditions. Obviously, the filtering device is utilized by electronic mail provider for meeting users' various requirements for transferring identification information.

Please replace the paragraph beginning at page 8, line 5, with the following rewritten paragraph.

The filter device also can be built on the receiving terminal. Thus, the filter device is for suspending the transformation of the transmission signal when the identification information is ~~corresponding~~ corresponds with some predetermined deletion conditions. Moreover, the filter device also can be for permitting the transformation when the identification information is ~~corresponding~~ corresponds with some predetermined permission conditions. Besides, both deletion and permission conditions can be set according to the identification information because of the related-mail messages therein, such as the highlight of electronic mail, receiving date and receiving time, sender's electronic mail address, sender's name, distinctive code

(such as telephone number of electronic mail provider), etc.. Furthermore, the identification information also can be adjustable. For providing users the more flexibility in receiving the identification information of the electronic mail, the system ~~having assistant function~~ for assisting users in getting the message of a new electronic mail further comprises a switch device for controlling the suspending/permitting operations of the receiving terminal.

Please replace the paragraph beginning at page 9, line 1, with the following rewritten paragraph.

~~First~~ Firstly, the electronic mail provider 210 receives an electronic mail.

Please replace the paragraph beginning at page 9, line 4, with the following rewritten paragraph.

~~Second~~ Secondly, the identification information data stream of the electronic mail is transformed into a transmission signal in a format, such as FSK (Frequency Shift Keying) or DTMF (Dual Tone Multi-frequency) format, UART (Universal Asynchronous Receiver And Transmitter) or any other transmittable one. Thus, the identification information of the electronic mail ~~may comprise something such as~~ comprises a receiving date and time, a sender's email address, a sender's name, a message title of the electronic mail, and a distinctive code of the ISP's phone number, etc.. It should be ~~understand~~ understood that any one mentioned above is not definitely necessary for the identification information data stream, and others not mentioned above may also be included in the identification information data stream. In addition, the electronic mail provider transfers the transmission signal during a specific period.

Please replace the paragraph beginning at page 10, line 14, with the following rewritten paragraph.

Obviously, the present invention may be regarded regarded as a combination of two methods. One method, corresponding to the first three steps mentioned above, is that an electronic mail provider actively provides users with the messages related with new electronic mails. The other one, corresponding to the steps exclusive of the first three steps mentioned above, is that users can receive the messages related with the new electronic mail.

Please replace the paragraph beginning at page 11, line 8, with the following rewritten paragraph.

For example, in telephone communication system, when the EID receiving terminal on hook receives a phone from the electronic mail provider (electronic identification is transferred), it can automatically become off hook. While, the electronic mail provider confirms the available connection according to a response from the EID receiving terminal, and thereafter transfers the identification information to the EID receiving terminal. However, if the available connection isn't established within a specific period because the EID receiving terminal is off hook, the electronic mail provider may re-establish the connection after waiting a standby period. Besides, when the EID receiving terminal that has functions of call waiting and multi-talker is busy and receive a notification of coming identification information-, ~~The~~ the EID receiving terminal would notify the user with image or sound, such as "you have a new mail" or beep sound. Thus, users can determine if they are going to receive the new mail or not immediately.

Please replace the paragraph beginning at page 12, line 23,

with the following rewritten paragraph.

FIG. 3 shows a block diagram of a system 300 used by another embodiment of the present invention for displaying EID information. In the present embodiment, the electronic mail provider 210 adopts the format provided by the existing CID to transfer messages to the client. By setting the distinctive code, such as phone number[[,]] of electronic mail provider 210 in the receiving terminal, and modifying the control circuit therein, such as micro-controller, micro-processor and programming software for modify control circuit, a message corresponding to the notification of new electronic mail arrival from the electronic mail provider 210, such as "you have new email", can be shown on the displaying panel 340. The procedure described above is simple. But ~~subjecting~~ owing to the limited service provided by the network service provider (such as telephone company), the ~~offering~~ information offered is relatively fewer.

Please replace the paragraph beginning at page 13, line 23, with the following rewritten paragraph.

Furthermore, the receiving terminal 230, 330(i.e. electronic mail identification receiving terminal) shown respectively in FIG. 2 and 3 may be an EID phone or an EID adjunct box (AJ-Box). The EID phone and the EID AJ-Box may be a conventional CID phone or a CID adjunct box, ~~which~~ comprising a modified control circuit such as microprocessor, micro controller or programming software for ~~modify~~ modifying circuit.

Please replace the paragraph beginning at page 14, line 1, with the following rewritten paragraph.

The EID receiving terminal of one embodiment in accordance

with the present invention is shown in FIG. 5. EID receiving terminal comprises a control circuit 500 for processing EID data stream, a ring detector 510, a FSK detector 520, a CAS decoder 530 and a DTMF decoder 540 coupled between the line-in and the control circuit 500. The displaying panel 240, having a displaying driver 550[[,]] is also included in the block diagram. Furthermore, the embodiment comprises an audio display device (not shown) and a connection device 560. The audio display is for broadcasting the auditory message, while the connection device 560 is for establishing a connection between the receiving terminal and the electronic mail provider when the receiving terminal receives information about existence of EID.

Please replace the paragraph beginning at page 14, line 15, with the following rewritten paragraph.

The operating flowchart shown in FIG. 6 is an embodiment of the present invention. The EID device is set in a standby mode (Step 600), and continuously detects an incoming message (Step 610). When detecting the incoming message, the control circuit of the EID device may further check the ending of the incoming message (Step 620). Next, the EID device further check whether the format of the message is corresponding with the EID format or not (Step 630). After confirming the message format, the EID device receives the message and check completion of the receiving state (Step 640). Finally, the message is shown on a displaying panel (Step 650) or output in an audible signal.

Please replace the paragraph beginning at page 14, line 26, with the following rewritten paragraph.

In addition, the embodiment ~~may further comprise~~ comprises a step of ~~automatically~~ automatic transferring. The ~~automatically~~

automatic transferring step is to transfer a response from the receiving terminal to the electronic mail provider after the receiving terminal receives the transmission signal. The electronic mail provider is required by the response to transfer the corresponding electronic mail to the receiving terminal. However, users also can read the identification information prior to get the corresponding electronic mail that is from the electronic mail provider through a communication network.

Please replace the paragraph beginning at page 15, line 8, with the following rewritten paragraph.

Besides the introduced methods and systems mentioned above, the invention also provides a method for transferring identification information of an electronic mail. The method can make sure whether users receive the identification information. As shown in FIG. 7, the method comprises the following steps. First of all, the electronic provider receives a new electronic mail (step 701). When the new electronic mail arrives, the electronic mail provider transfers the transmission signal to a receiving terminal assigned by users (step 702). Next, when the electronic mail provider receives a response from the receiving terminal within a specific period (step 703), ~~it~~ the electronic mail provider ~~may~~ transfers identification information of the new electronic mail to the receiving terminal (step 704), ~~otherwise or~~ or suspends the connection (step 705). Certainly, the method further comprises a re-establishing step. The re-establishing step is for re-establishing the connection between the electronic mail server and the receiving terminal after waiting a standby period. And then the electronic mail provider may transfer the transmission signal again. Furthermore, the method also comprises that users connect to the electronic mail provider to get the new mails after they receive the transmission signal. Additionally, both the specific and standby

periods are adjustable, and the response may only be a message resulting from the state variation of the receiving terminal (such as on hook state switches to off hook state) without any specific format.

Please replace the paragraph beginning at page 16, line 3, with the following rewritten paragraph.

Accordingly, the system and method of the invention are to automatically transfer and display identification information of new electronic mail, to and on, a receiving terminal. The displaying can be an audible message or a visible message for indicating the arrivals of new E-mails and enabling users checking the mails in time. Moreover, the invention further provides the functions for checking users options prior to transferring the identification information. Obviously, by using the present invention, users can receive the new mails efficiently and cheaply without actively starting computer and connecting network, ~~thus raise efficiency and save all costs.~~